PSMC Parts Management Transformation Subcommittee

Orlando, FL

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Mission Statement

- Develop a Parts Management (PM) Process that will support weapon system readiness and reduce the “logistics footprint”.

Reducing the Logistics Footprint is not just less parts, but also less infrastructure to support and less transport.

Develop Objectives

- Develop a vision statement for ideal future parts management processes
- Prioritize Parts Management Transformation objectives
- Identify how PSMC can affect Parts Management Transformation
- Process for Continued Evolution under PMT

Understand Environmental Factors

- Benchmarking of current world-class parts management processes
- Logistics and Performance Based Logistics Contracts affect on Parts Management
- New Acquisition Processes affect on Parts Management (evolutionary acquisition and spiral development)

Enabling Processes, Technology, & Infrastructure

- Opportunities and incentives to reduce part proliferation
- Processes and practices to reduce logistics footprint
- Enhance interoperability derived from part commonality
- Shared Infrastructure/IT/Data Access/Warehouses (physical & virtual)
- Scaleable Parts Management processes

Metrics and Performance Measurement

- Implementation Costs and Cost sensitivities
- Reduced Parts Management resources
- Metrics for Parts Management program benefits (measurable objectives & Return On Investment)
- Parts Management impact upon readiness and availability
- New Parts Management processes related to PM lessons learned

Develop Objectives: Next Level

- Benchmark World Class PM Processes
- Develop / Review Tools to Facilitate PM
- Relate Supply Chain Friendly Parts to PM
- Develop Wording for PM Process
- Recommendation to DSPO/OSD
- Guidance or documentation for PM

Environmental Influences

- Executive endorsements
- Performance Based Logistic contracts
- UID/RFID policies
- Technology evolution
- Rapid deployments
- IT environment
  - network-centric
- Globalization
- Limited resources
- Laws and regulations
- Mergers and Acquisitions
- Political considerations
- PM historical perspective

OEM Benchmarking

- Parts Management
- Obsolescence Management
- Supporting Infrastructure

Parts Management Practice

- Refocus designer skills from new part creation to standardization
- Easy identification of existing parts is essential to enable standardization

Part level standardization enables supportable products at minimal cost

Standardization

- Formal standardization programs
  - Allows better decision making processes.
  - Designers submit exceptions.
  - Level of standardization is a performance metric.
- Easy identification of existing parts is essential for re-use
  - Part databases must be integrated with other enterprise design and support systems.

Obsolescence Management

- Formal obsolescence management program is necessary
  - Critical for electronic and advanced technology products
  - Proactive management of issues requires dedicated tools and processes
  - Increased need for parts managers to bridge engineering and logistics interests
  - DMS Center of Excellence website

Supporting Infrastructure

- PM Infrastructure
  - The MIL-STD-965 philosophy of OEMs submitting individual parts to DoD for review is no more
  - Increased use of
    - Performance Based Logistic contracts
    - OEM maintenance agreements
    - Partnering agreements
    - Standardization at the OEM vs program level
    - More part oriented database resources available
    - Less centralized content in these databases